

Claims

1. A double-spindle machine tool, comprising
 - a frame-type stand (1; 1'; 1'')
 - 5 - at least one x skid (10; 10'; 71, 72) which is guided on the stand (1; 1'; 1'') for displacement in an x direction;
 - at least one y skid (15; 62, 63) which is displaceable in a y direction on the at least one x skid (10; 10'; 71, 72);
 - two tool holder spindles (20, 21) which are non-displaceable in the z
 - 10 direction on the at least one y skid (15; 62, 63) for accommodation of tools (26) for machining work pieces (41, 42; 59, 60) that are located in a working area (7);
 - at least one z skid (28; 44, 45) which is displaceable in a z direction and located in the working area (7); and
 - 15 - two work carriers (39, 40; 57, 58) which are disposed on the at least one z skid (28; 44, 45) for accommodation of the work pieces (41, 42; 59, 60).
2. A double-spindle machine tool according to claim 1, **characterized**
20 **in that** the work carriers (49, 40; 57, 58) are each disposed on a rotary table (33, 34; 51, 52) which is disposed on the at least one z skid (28; 44, 45).
3. A double-spindle machine tool according to claim 1 and optionally claim 2, **characterized**
25 **in that** only a single z skid (28) is provided; and
in that the optionally available rotary tables (33, 34) are each rotatable about a y axis of rotation (37, 38).

4. A double-spindle machine tool according to claim 1 and optionally claim 2, **characterized**
in that two z skids (44, 45) are provided; and
in that the optionally available rotary tables (51, 52) are drivable for rotation about an x axis of rotation (55, 56).
5. A double-spindle machine tool according to claim 1, **characterized**
in that only a single x skid (10, 10') is provided.
- 10 6. A double-spindle machine tool according to claim 1, **characterized**
in that only a single y skid (15) is provided.
7. A double-spindle machine tool according to claim 5, **characterized**
in that two y skids (62, 63) are provided.
- 15 8. A double-spindle machine tool according to claim 1, **characterized**
in that two x skids (71, 72) are provided; and
in that a y skid (62, 63) is disposed on each x skid (71, 72).
- 20 9. A double-spindle machine tool according to claim 1, **characterized**
in that at least one skid (10; 15; 28; 44, 45) is drivable by way of a ball screw (14; 19; 32; 50).
- 25 10. A double-spindle machine tool according to claim 1, **characterized**
in that at least one skid (62, 63; 71, 72) is drivable by at least one linear motor (64, 65; 73, 74).